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Isotope effect in the mutual solubility of liquid deuterio-compounds

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v. 138, no. 4, p. 852-855.

DESCRIPTORS: *Thermochemistry, Chemical reac-
tions, *Benzoyl radicals, Heat, *Peroxides, *Tin
compounds, Ethyl radicals, *Metalorganic compounds,

The present paper is a study of the thermochemistry of
the reaction between hexaethyldistannane and benzoyl
peroxide, with dibutyl phthalate employed as the
solvent.

(Chemistry--Physical, TT, v. 9, no. 12)

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III. Translations, New York

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Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1946,
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DESCRIPTORS: *Cements, *Calcium compounds,
Oxides, Hydroxides, *Hydrates, *Aging (Materials),
*Hardening, *Electrochemistry, *Electrical conduct-
ance, *Electroosmosis,

A method was developed for measuring the electro-
conductivity at constant temperature during the highly
exothermic process of hydration (and setting) of lime.
A number of corresponding curves showing the changes
in electroconductivity during the process was obtained.
(Materials, TT, v. 11, no. 1) (over)

TT-63-18766

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II. Osin, B. V.

Office of Technical Services

The systems calcium oxide-water were studied by the method of electroconductivity, and the analogy between setting of hydrating lime and cements was confirmed. Electroosmotic studies showed that particles of calcium hydroxide suspended in a saturated solution have a positive electrokinetic potential. (Author)

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1955, v.105, no.1, p.108-111.
Trans. in English is available from NRCC \$0.50 as
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DESCRIPTORS: Heavy water. *Solubility, Liquids,
*Deuterium, Chemical compounds.

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- I. Rabinovich, I.B.
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(Isotopic Effect in the Liquid-Vapor Equilibrium of
Binary Systems Containing Deuterated Compounds),
by I. B. Rabinovich (Rabinovitch), P. N. ~~NIKOLAYEV~~
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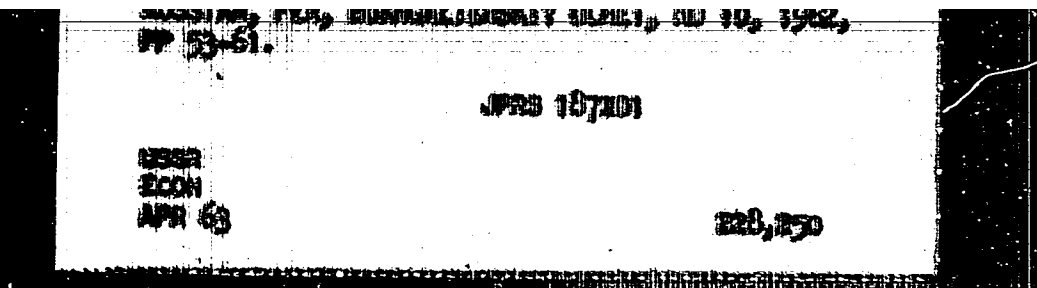
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